

# Multipurpose CubeSat

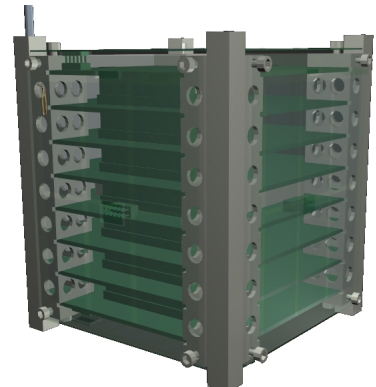
CubeSat is a microsat designed for educational use and for inexpensive testing and prototyping. Modular design allows for easy enhancements. The Naval Research Laboratory (NRL) and the Stensat Group LLC share development responsibilities. Stensat handles the educational missions and NRL responds to all industry and government interest.

Currently, a CubeSat is being integrated into NRL's ANDE or Atmospheric Neutral Density Experiment.



## Specifications:

Size:	100 mm cube
Mass:	880 grams
Power:	GaAs double junction solar cells 2 watts maximum sun exposure 1400 maH li-ion rechargeable battery
Communications:	436 MHz downlink 1200 baud AX.25 protocol 145 MHz uplink
Controller:	8-bit microcontroller
Payload Capacity:	Lower half space available Three levels of circuit boards One surface available for external access I2C bus communication with satellite processor Direct access to communications



## For more information, please contact:

Ivan Galysh  
U.S. Naval Research Laboratory  
Code 8152  
Washington, DC 20375  
(202) 404-2441  
E-mail: [galysh@juno.nrl.navy.mil](mailto:galysh@juno.nrl.navy.mil)